User’s Manual

USB 3.0 Single Port Express Card

ABOUT THIS MANUAL

This manual is designed for use with the USB 3.0 Single Port Express Card. Information in this document has been carefully checked for accuracy; however, no guarantee is given to the correctness of the contents. The information in this document is subject to change without notice. The manufacturer does not make any representations or warranties (implied or otherwise) regarding the accuracy and completeness of this document and shall in no event be liable for any loss of profit or any commercial damage, including but not limited to special, incidental, consequential, or other damage.

SAFETY INSTRUCTIONS

Always read the safety instructions carefully:

Keep this User's Manual for future reference.

Keep this equipment away from humidity.

If any of the following situations arises, get the equipment checked by a service technician:

The equipment has been exposed to moisture.

The equipment has been dropped and damaged.

The equipment has obvious sign of breakage.

The equipment has not been working well or you cannot get it to work according to the User's Manual.

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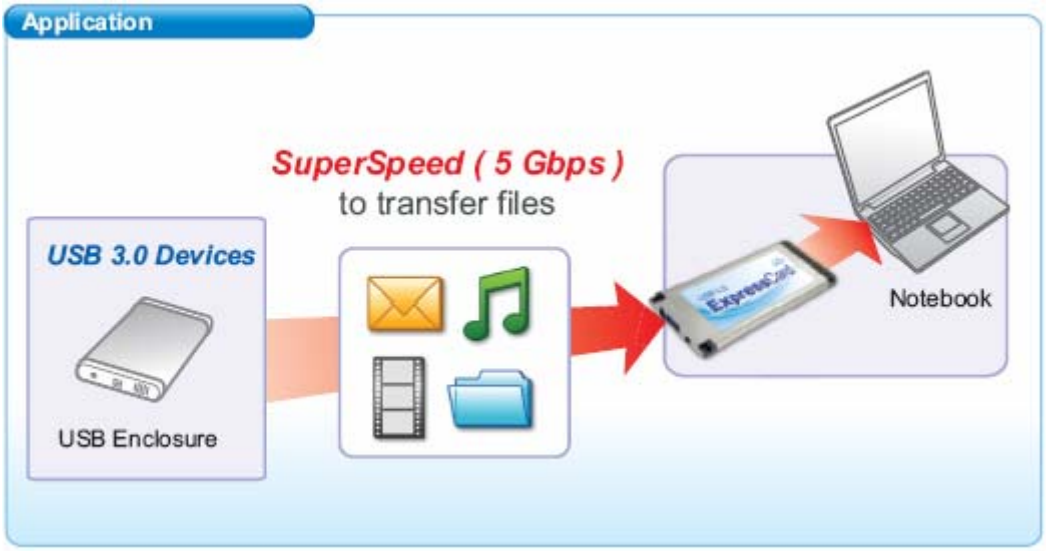
1. Introduction

This new product mainly is to fit in the market demand with low cost and flexibility for user benefit. Also, it will bring higher efficiency and advantageous to user with integrating Super Speed USB transceiver as will as PCI Express transceiver. Moreover, an additional independent DC power Jack will allow to add in a 500 mA to ensure the USB 3.0 output will working with high reliability.



Features

- Compliant with USB 3.0 Specification Revision 1.0
- Compliant with Extensible Host controller interface (xHCI) Specification Revision 0.96
- Single USB port supporting SS/HS/FS/LS data rates (5 Gbps/480M bps/12M bps/1.5M bps)
- Single PCI Express Lane
- Supports PCI Express Specification Revision 1.1

- Supports PCI bus Power Management Interface Specification Revision 1.2
- 10 MHz/ 30 MHz crystal system clock
- Additional DC Jack to enhance the function stability
- Integrated Super Speed USB Transceiver
- Integrated PCI Express Transceiver

Package Contents

- USB 3.0 single Port Express Card x1
- Driver CD (Driver and User's Manual) x1
- Quick Installation Guide x1
- DC to USB cable (60 cm) x1

System Requirements

- OS Compliance: Windows® 7, Windows Vista®, Windows® XP, Linux
- Application Compliance: PCI Express Card Specification 1.0

2. Installation

1. Insert USB 3.0 Single Port Express Card to PCI-Express slot.

2. The "Found New Hardware Wizard" Window will appear, please click "**Cancel**".

Found New Hardware Wizard
Welcome to the Found New Hardware Wizard
Windows will search for current and updated software by looking on your computer, on the hardware installation CD, or on the Windows Update Web site (with your permission).
Read our privacy policy
Can Windows connect to Windows Update to search for software?
Yes, this time only
Yes, now and every time I connect a device
No, not this time
Click Next to continue.
< Back
Next >
Cancel

Found New Hardware
Windows needs to install driver software for your Universal Serial Bus (USB) Controller
Locate and install driver software (recommended)
Windows will guide you through the process of installing driver software for your device.
Ask me again later
Windows will ask again the next time you plug in your device or log on.
Don't show this message again for this device
Your device will not function until you install driver software.
Cancel

3. Insert the provided CD into your disc drive and please click on **Run Autorun.exe** to execute the installer program.

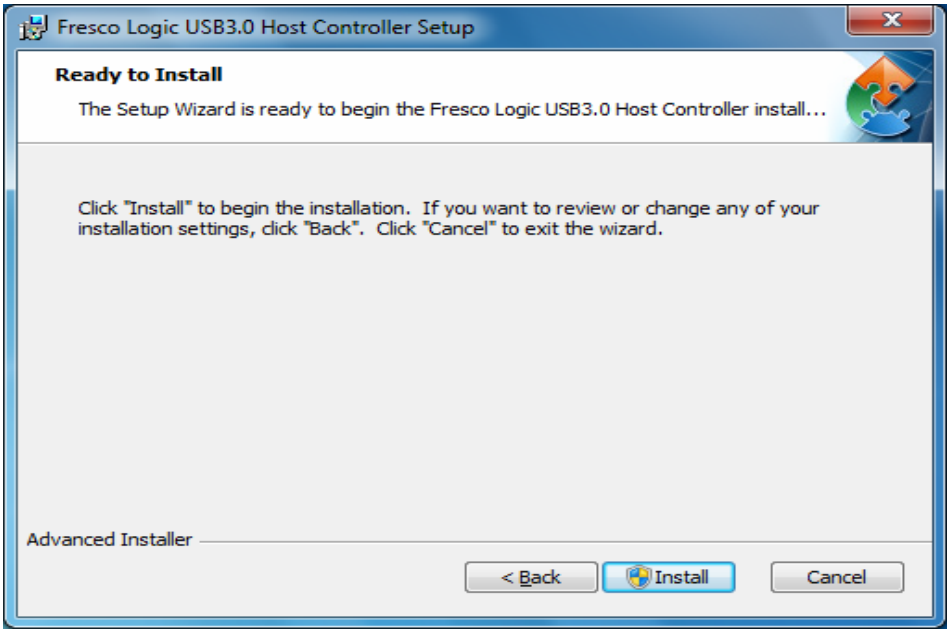
AutoPlay
DVD RW Drive (E:) Driver
Always do this for software and games:
Install or run program from your media
Run Autorun.exe
Publisher not specified
General options
Open folder to view files
using Windows Explorer
View more AutoPlay options in Control Panel

If the installer program doesn't run automatically, please locate and double-click on the **Autorun.exe** file in the CD to launch the install program.

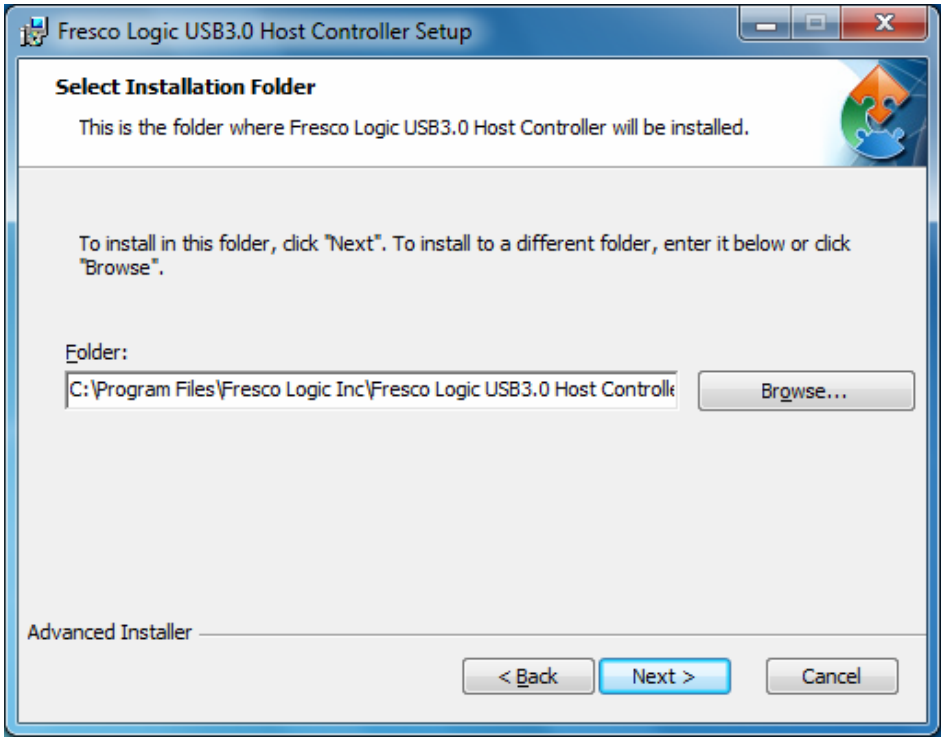
4. Please click "**Next**" to continue the Setup Wizard.

Fresco Logic USB3.0 Host Controller Setup
Welcome to the Fresco Logic USB3.0 Host Controller Setup Wizard
The Setup Wizard will install Fresco Logic USB3.0 Host Controller on your computer. Click "Next" to continue or "Cancel" to exit the Setup Wizard.
< Back
Next >
Cancel

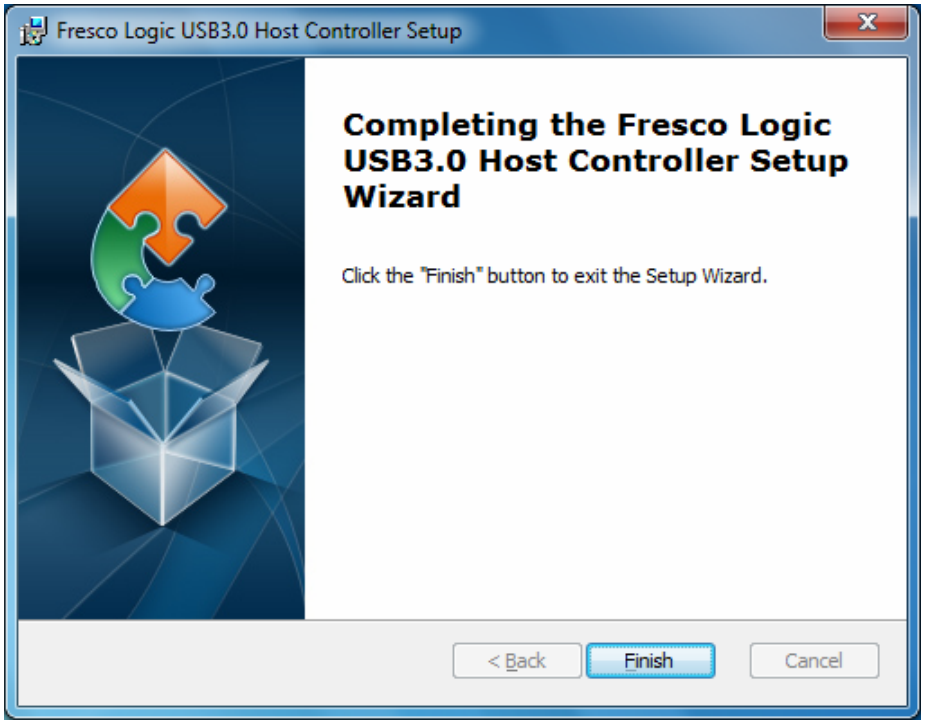
5. To install in this folder, click “**Next**”. To install to a different folder, enter it below or click “Browse”.


Fresco Logic USB3.0 Host Controller Setup
Ready to Install
The Setup Wizard is ready to begin the Fresco Logic USB3.0 Host Controller install...
Click "Install" to begin the installation. If you want to review or change any of your installation settings, click "Back". Click "Cancel" to exit the wizard.
Advanced Installer
< Back
Install
Cancel

6. Click “**Install**” to begin the installation.


Fresco Logic USB3.0 Host Controller Setup
Select Installation Folder
This is the folder where Fresco Logic USB3.0 Host Controller will be installed.
To install in this folder, click "Next". To install to a different folder, enter it below or click "Browse".
Folder:
C:\Program Files\Fresco Logic Inc\Fresco Logic USB3.0 Host Controlle
Browse...
Advanced Installer
< Back
Next >
Cancel

7. Click “**Finish**” button to exit the Setup Wizard.


Fresco Logic USB3.0 Host Controller Setup
Completing the Fresco Logic USB3.0 Host Controller Setup Wizard
Click the "Finish" button to exit the Setup Wizard.
< Back
Finish
Cancel

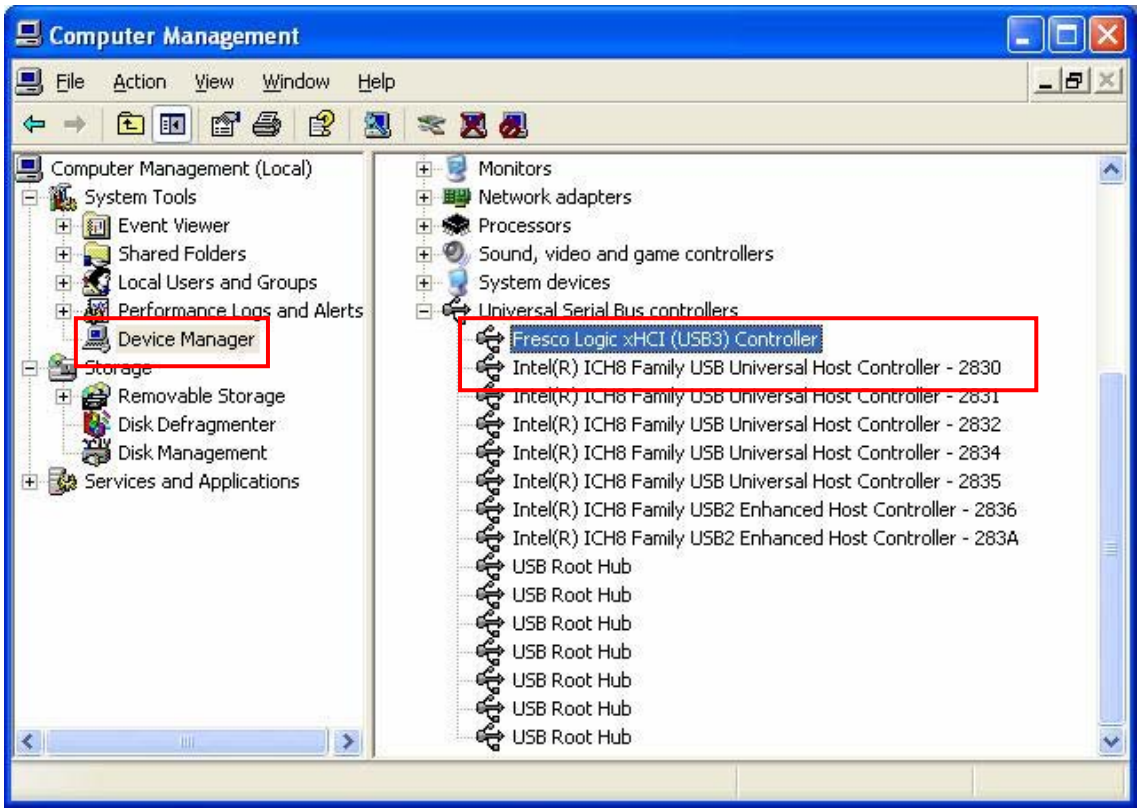
Note: You may need to restart your system for the configuration changes made to Fresco Logic USB 3.0 Host controller to take effect.

***Actual strings depend on your operation system. These screen shots are from Windows 7 and might vary slightly for each operation system*

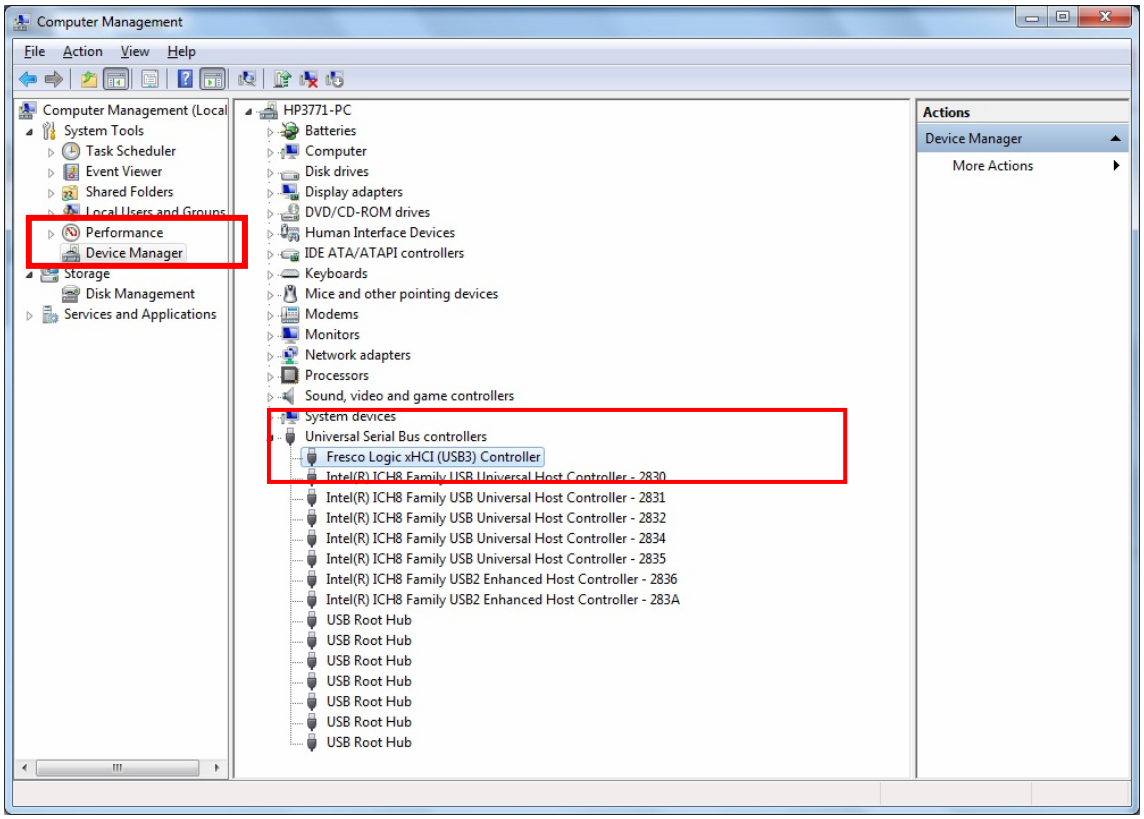
3. Installation Verification

After finishing installation, the system will detect the device. You can go to Device Manager to verify the entire installation.

Windows® XP


Computer Management
File Action View Window Help
Computer Management (Local)
System Tools
Event Viewer
Shared Folders
Local Users and Groups
Performance Logs and Alerts
Device Manager
Storage
Removable Storage
Disk Defragmenter
Disk Management
Services and Applications
Monitors
Network adapters
Processors
Sound, video and game controllers
System devices
Universal Serial Bus controllers
Fresco Logic xHCI (USB3) Controller
Intel(R) ICH8 Family USB Universal Host Controller - 2830
Intel(R) ICH8 Family USB Universal Host Controller - 2831
Intel(R) ICH8 Family USB Universal Host Controller - 2832
Intel(R) ICH8 Family USB Universal Host Controller - 2834
Intel(R) ICH8 Family USB Universal Host Controller - 2835
Intel(R) ICH8 Family USB2 Enhanced Host Controller - 2836
Intel(R) ICH8 Family USB2 Enhanced Host Controller - 283A
USB Root Hub
USB Root Hub
USB Root Hub
USB Root Hub
USB Root Hub
USB Root Hub
USB Root Hub

Windows Vista®/ Windows® 7



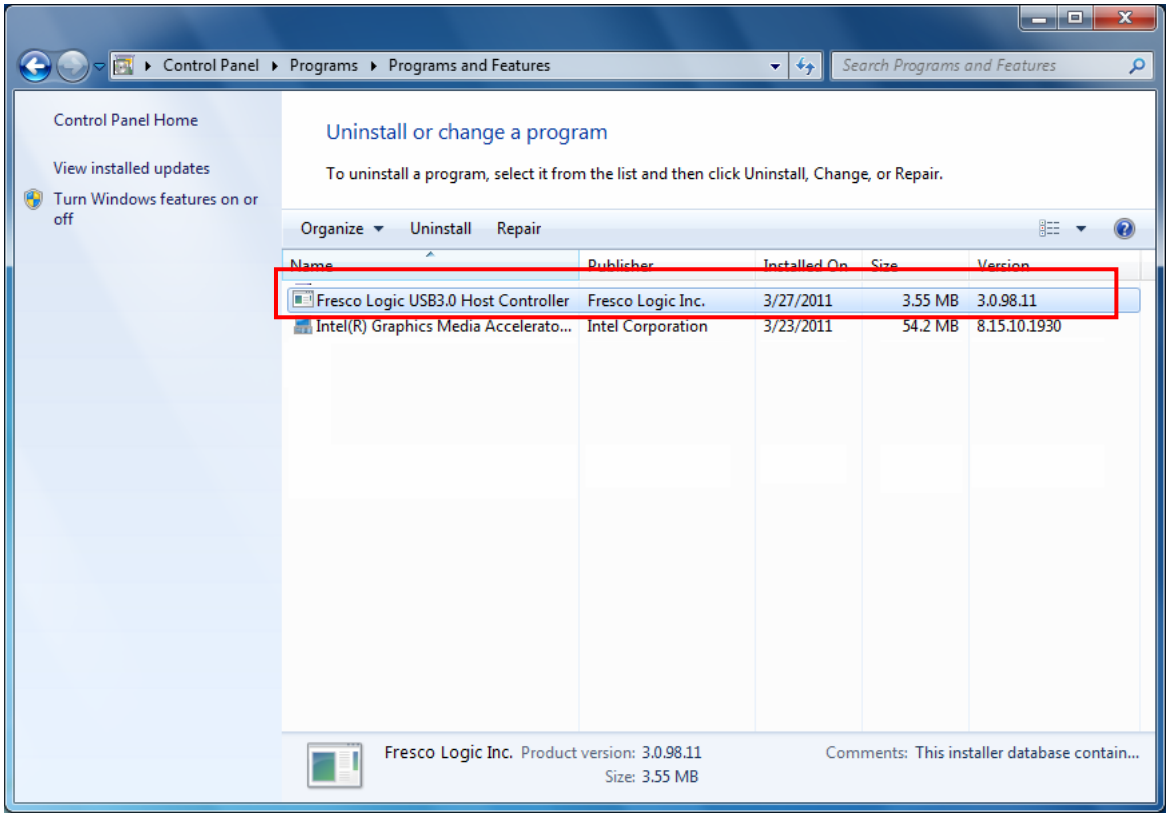
4. Notice:

- The **Power Adapter** is recommended to use for high power consumption devices.

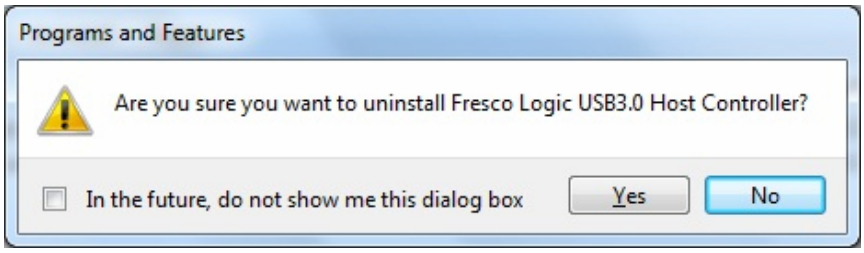
5. Uninstall the Driver

If for any reason you want to uninstall the video adapter and its driver, please take these steps:

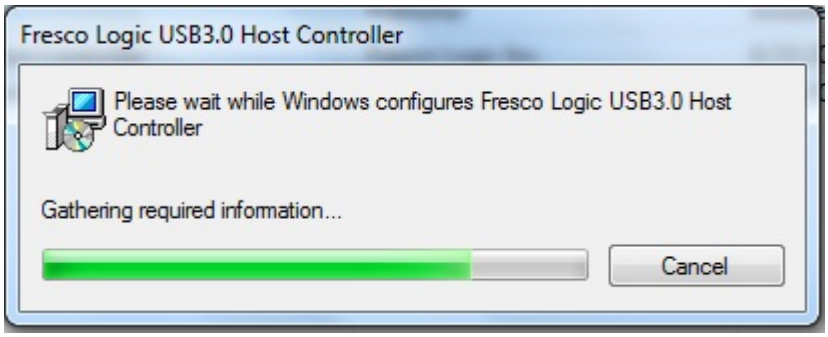
1. Open the **Control Panel** and double-click **Uninstall a Program** on Windows® 7, **Programs and Features** on Windows Vista®, and **Add or Remove Programs** on Windows® XP.
2. Select **Fresco Logic USB 3.0 Host Controller** and click **Uninstall** or **Remove**.



3. Click “**Yes**” to uninstall Fresco Logic USB 3.0


Programs and Features
Are you sure you want to uninstall Fresco Logic USB3.0 Host Controller?
In the future, do not show me this dialog box
Yes
No

4. Please wait while Windows configures Fresco Logic USB 3.0 Host Controller.


Fresco Logic USB3.0 Host Controller
Please wait while Windows configures Fresco Logic USB3.0 Host Controller
Gathering required information...
Cancel

**Actual strings depend on your operation system. These screen shots are from Windows® 7 and might vary slightly for each operation system.*

6. Specification

Items	Description
Interface	USB 3.0
ChipSet	Fresco, FL 1000G
Connector	Host upstream link: Express Card
	Express Card downstream link: USB 3.0 A Type Female Connector
LED Indicator	NA
Operation Temperature	10~40° C
Storage Temperature	-10~70° C
Power Requirement	Power Spec: 3.3V/1.2V
	Power Consumption: 181.5 mA
Cosmetic Describe	Housing: 75.1 x 24.1 x 5.1 MM (L X W X H)
	Weight : 16.7 g
	Color: Silver
	Housing Material: Nickel Plating

7. Regulatory Compliance

FCC Conditions

This equipment has been tested and found to comply with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference

(2) This device must accept any interference received. Including interference that may cause undesired operation.

Important! Changes or modifications not expressly approved by the manufacturer responsible for compliance could void the user's authority to operate the equipment. Use an approved phone set.

CE

This equipment is in compliance with the requirements of the following regulations: EN 55 022: CLASS B

WEEE Information

For EU (European Union) member users:
According to the WEEE (Waste electrical and electronic equipment) Directive, do not dispose of this product as household waste or commercial waste. Waste electrical and electronic equipment should be appropriately collected and recycled as required by practices established for your country. For information on recycling of this product, please contact your local authorities, your household waste disposal service or the shop where you purchased the product.